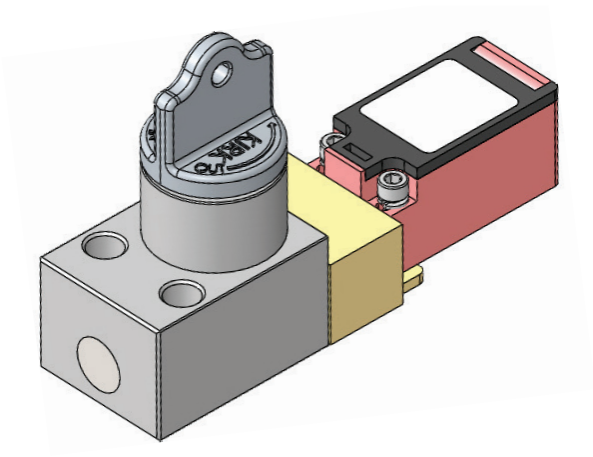
Thermoplastic Bodied Switch – Auxiliary Switch

Part of the Sentric Group



The thermoplastic bodied auxiliary switch provides 2 N/O 1 N/C 5amp or 4 N/O 2 N/C 5 amp contacts that respond directly to the movement of the locking bolt when the key is turned. The contacts change state when the key is turned is a slow-make, slow-break device.

The thermoplastic bodied auxiliary switch can be mounted on the following interlocks for both SD and HD series: Type F, Type B, Type T, Type FN, and Type D

The thermoplastic bodied switch can also be mounted the SD and HD Type DM access lock with only 2 N/O 5amp contacts. These contacts respond based on the latch block being engaged. When the door is locked, two sets of contacts are closed, and one set is open. When the door is unlocked, the contacts switch state, in which two sets of contacts are open and one set is closed.

USAGE

The thermoplastic bodied switch should be used on equipment directly engaging with control circuitry. KIRK switch interlocks ensure that once the equipment power is isolated by the switch interlock as defined by the end user's safety process and following the operations of the interlock, the control circuitry cannot be re-energized until the full sequential procedure is reversed.

No hazardous substances were used in the manufacturing of the product. The product can be disposed of in standard waste receptacles.

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INSTALLATION

The thermoplastic bodied switch is mounted directly to the specified KIRK interlock as ordered. Proper installation of KIRK interlocks is a critical element of a key interlock system. After installation of the interlocks, the complete interlock system should be tested sequentially by person(s) familiar with the entire system, the key sequence, and its intended purpose. Any problems or discrepancies must be corrected prior to energization.

SD series (brass) interlocks are supplied with a key in each cylinder. These keys are needed during installation of the interlocks.

HD series (stainless steel) interlocks are not sold with keys. Keys must be ordered separately and may be required during the installation process.

Auxiliary switches cannot be field installed on existing KIRK interlocks

For all interlock systems to maintain system integrity, additional keys must be removed from the system and destroyed or retained by a responsible person. There should only be enough keys to operate the interlock system sequentially. Kirk Key Interlock Company will not be responsible for extra keys left in the interlock system.

All interlocks and interlock systems must be installed by a competent and qualified person who has read and understood these instructions. Please retain this document in your technical files.

MAINTENANCE

There is no additional maintenance to the thermoplastic bodied switch.

Kirk key interlocks should be periodically lubricated with a small amount of dry powder graphite. DO NOT use oil or grease of any type as these will collect dirt and impede the proper operation of the lock cylinder.

SD SERIES: Apply a small amount of graphite to the key and insert the key into the lock cylinder. Work the key in an out and turn the key several times in order to distribute the graphite inside the lock cylinder.

HD SERIES: Apply a small amount of graphite behind the inner turn shaft. Insert and turn the key a few times in order to distribute the graphite below the lock cylinder.

KIRK offers a Graphite Lubrication kit (part# GL-1) complete with instructions for use.

Protective covers for most products are also available as accessories. Covers can be utilized to protect the lock cylinders when located outdoors or in a demanding environment.

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TECHNICAL DATA

	2 N/O 1 NC	4 N/O 2 N/C
Standards	VDE 0600 T200, DIN EN 60947-5-1, IEC 60947-5-1	VDE 0600 T200, DIN EN 60947-5-1, IEC 60947-5-1
Type of Mounting	Mounted directly to the specified KIRK interlock	Mounted directly to the specified KIRK interlock
Utilization Category	AC-15, Ue/Ie 204V/1.5A	AC-15, Ue/Ie 204V/1.5A
Approvals	cCSAus B300 (same polarity)	cCSAus B300 (same polarity)
Enclosure/Cover	"Thermoplastic, glass fiber enforced (UL 94-V0) Hinged snap lid opens to 135 degrees	"Thermoplastic, glass fiber enforced (UL 94-V0) Hinged snap lid opens to 135 degrees
Forced Disconnections of NC Contacts	To IEC/EN 60947-5-1 Annex K	To IEC/EN 60947-5-1 Annex K
Make Contacts	- 30 degrees C (ice free) to +80 degrees C	- 30 degrees C (ice free) to +80 degrees C
Mechanical Lifecycle	200,000 operations	200,000 operations
Screw Terminals	"Self-lifting clamps for easy wiring. Numbered in accordance with DIN EN 50013"	Self-lifting clamps for easy wiring. Numbered in accordance with DIN EN 50013
Ingress Protection	IP65 acc. To EN60529	IP65 acc. To EN60529
Rated Insulation Voltage	250 VAC	250 VAC
Rated Operational Voltage	240V	240V
Continous Thermal Current	5 Amp	5 Amp
Cable Entrance	M20 x 1.5 thread. The switch is supplied with .20-.35" cable gland installed. An M20 x 1/2" FIP adapter is supplied with each swtich for use with 1/2" conduit	M20 x 1.5 thread. The switch is supplied with .20-.35" cable gland installed. An M20 x 1/2" FIP adapter is supplied with each swtich for use with 1/2" conduit
EU Conformity	CE Marked	CE Marked
Weight	9.6oz / 272g	16oz / 453g

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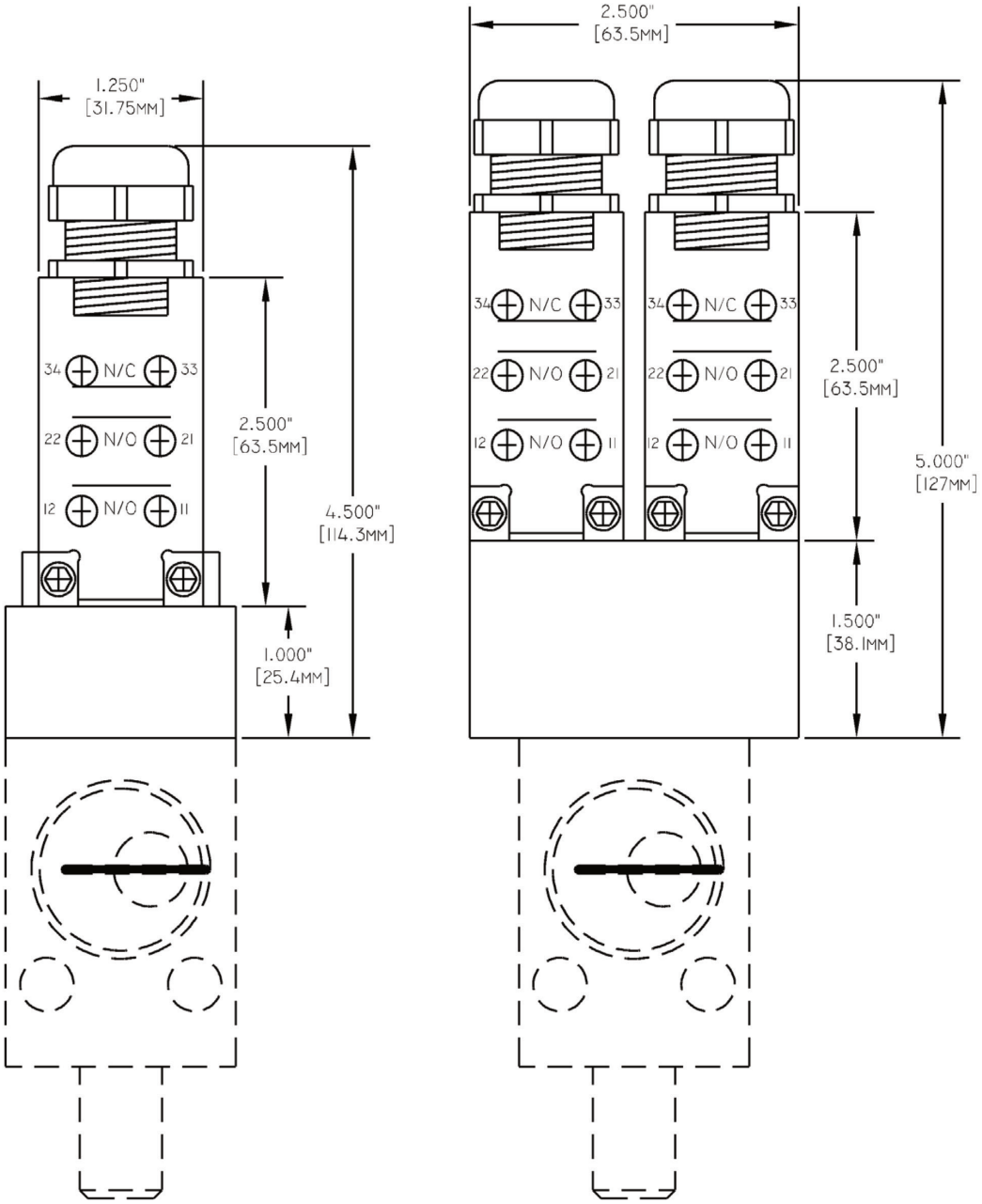
DRAWING

Dimensions: in inches

Type Thermoplastic Bodied Switch Switch Drawing
For type F, B, T, FN, & D interlocks



NOTES:

Option A is shown on the left, Option B is shown on the right.

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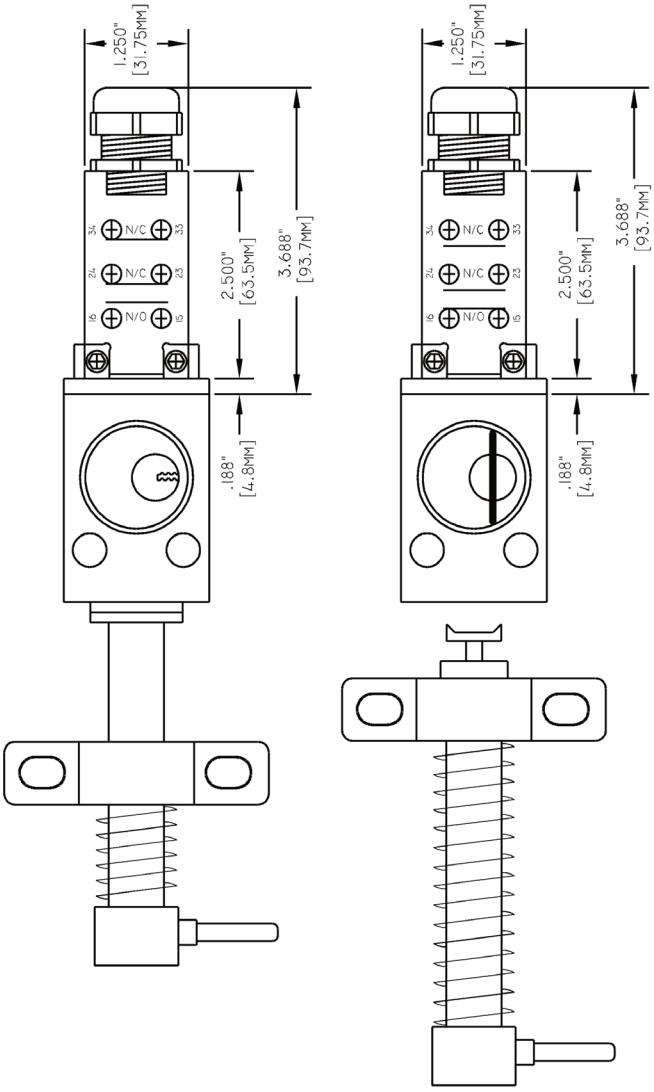
DRAWING

Dimensions: in inches

Type Thermoplastic Bodied Switch Switch Drawing
For type DM interlocks -



ORDER INFORMATION

See ordering guide for specific KIRK interlock to order auxiliary switch options.

CONTACT INFORMATION

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